



Via 016-CIP

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Brian C. Banister	<p>I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>On: January 26, 2007</p> <p><i>Barbara S. Kelly</i> 1/26/07 Barbara S. Kelly</p>
App. No.	:	10/080,751	
Filed	:	February 22, 2002	
For	:	METHOD AND APPARATUS FOR GENERATING TRANSMIT ADAPTIVE ANTENNA WEIGHTS WITH NULLING USING BINARY GRADIENT FEEDBACK	
Group Art:	:	2611	
Confirmation No.:	:	8423	
Examiner:	:	Burd, Kevin Michael	

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the subject application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(X) This Information Disclosure Statement is being filed after the receipt of a first Office Action in accordance with 37 CFR 1.97(c). Therefore, the fee in the amount of \$180 is being included in accordance with 37 CFR 1.97(c)(2).

(XX) According to 37 CFR 1.98(2), we are not providing copies of the U.S. patent references listed on the attached Form SB-08A. All of the listed and attached references cited on Form SB-08B are in the English language.

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Date: January 26, 2007

JAQUEZ & ASSOCIATES  
6265 Greenwich Drive, Suite 100D  
San Diego, CA 92122  
(858) 453-2004 (voice)  
(858) 453-1280 (fax)

Respectfully submitted,

*Lisa M. Griffith*  
Signature Lisa M. Griffith  
Registration No. 41,185

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1
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of 2

**Complete if Known**

Application Number	10/080,751
Filing Date	February 22, 2002
First Named Inventor	Brian Banister
Art Unit	2611
Examiner Name	Burd, Kevin Michael
Attorney Docket Number	VIA-016-CIP

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

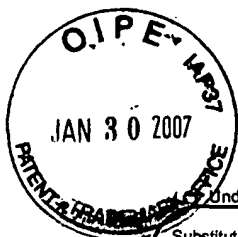
[illegible]

Examiner Signature		Date Considered	
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PTO/SB/08B (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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Attorney Docket Number	VIA-016-CIP

Sheet 2 of 2

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	5	BANISTER, et al., "Tracking Performance of a Stochastic Gradient Algorithm for Transmit Antenna Weight Adaptation with Feedback," May 2001, pp. 2965-2968, IEEE.	
	6	BANISTER, et al., "A Stochastic Gradient Algorithm for Transmit Antenna Weight Adaptation with Feedback," 2001, pp. 314-317, IEEE.	
	7	GERLACH, "Adaptive Transmitting Antenna Arrays with Feedback," 1994, pp. 150-152, IEEE.	
	8	LIANG, "Forward Link Antenna Diversity Using Feedback for Indoor Communication Systems," September 1995, pp. 1396-1400, IEEE.	
	9	GERLACH, "Adaptive Transmitting Antenna Methods for Multipath Environments," 1994, pp. 425-429, vol. 1, IEEE Globecom.	
	10	DERRYBERRY, et al., "Transmit Adaptive Arrays without User Specific Pilot," 3GPP2-C30-19990817-030, 1999, pgs. 1-4, 8/16-20, Portland, Oregon.	
	11	HARRISON, "TX AA Parameter Recommendations," 3GPP2-C30-19990914-010, September 14, 1999, pp. 1-3, Tokyo, Japan.	
	12	PEDERSEN, et al., "A Stochastic Model of the Temporal and Azimuthal Dispersion Seen at the Base Station in Outdoor Propagation Environments," (continued)	
		(cont. from above) March 2000, pp. 437-447, Vol. 49, No. 2, IEEE Transactions on Vehicular Technology.	

Examiner Signature	Date Considered
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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